CLAIMS

We claim:

1 1. A focal plane plate for a high resolution camera with light-sensitive 2 semiconductor sensors comprising: housings for the light sensitive semiconductor sensors, said housings having a 3 4 form; and 5 adjustment elements arranged on the focal plane plate at arrangement locations 6 of said housings, said adjustment elements having a form complementary to the form of said 7 housings. 1 The focal plane plate in accordance with claim 1, wherein said adjustment 2. 2 elements comprise one from a group consisting of parallelepipedal islands and inserts. 1 3. The focal plane plate in accordance with claim 2, further comprising cutouts for 2 releasably receiving said inserts. 1 4. The focal plane plate in accordance with claim 3, wherein said housings are 2 permanently connected to the complementarily adapted adjustment elements. 1 5. The focal plane plate in accordance with claim 3, wherein said housings and 2 associated inserts are integrally formed. 1 6. The focal plane plate in accordance with claim 3, further comprising adjustment

webs arranged in said cutouts in the focal plane plate.

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1	7.	The focal plane plate in accordance with claim'3, further comprising focal plane	
2	plate holes a	dapted to receive heat pipes for passing coolant therethrough.	
1	8.	The focal plane plate in accordance with claim 7, wherein said focal plate	
2	holes are arr	anged to pass through one of said islands and said cutouts, said inserts further	
3	comprising i	nsert holes, wherein said focal plate holes form a duct with said insert holes.	
1	9.	The focal plane plate in accordance with claim 1, wherein the focal plane plate	
2	and said adju	stment elements comprise a expansion compatible material with respect to said	
3	housings.		
1	10.	The focal plane plate in accordance with claim 9, wherein said adjustment	
2	elements con	aprise a first material and the focal plane plate comprises a second material, said	
3	first material	having a greater thermal conductivity than said second material.	
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1	11.	The focal plane plate in accordance with claim 9, wherein said housings, said	
2	adjustment el	ements and the focal plane plate are composed of the same material.	
1	12.	The feed plane plate in accordance with claim 0, wherein will be a sixty and	
		The focal plane plate in accordance with claim 9, wherein said housings, said	
2	adjustment el	ements and the focal plane plate are composed of aluminum nitride ceramic.	
1	13.	The focal plane plate in accordance with claim 1, wherein the light-sensitive	
2	semiconducto	or sensors comprise contact pins and the focal plane plate is plated in a region of	
3	said contact pins.		

1	14.	The focal plane plate in accordance with claim 13, wherein said inserts further
2	comprise side	e walls having conductor tracks electrically connectable to said contact pins, and
3	separate cont	act pins for extending a length of said contact pins.
1	15.	The focal plane plate in accordance with claim 14, wherein said conductor
2	tracks compri	ise silver-palladium paste printed onto said inserts.
1	16.	The focal plane plate in accordance with claim 1, further comprising a
2	temperature s	ensor arranged on said adjustment elements.
1	17.	The focal plane plate in accordance with claim 15, wherein said inserts further
2	comprise a to	p side having chamfered edges.
1	18.	The focal plane plate in accordance with claim 14, wherein said cutouts further
2	comprise add	litional cutouts in a region of said contact pins, said additional cutouts comprising
3	plated-through	n holes.
1	19.	The focal plane plate in accordance with claim 1, wherein the light-sensitive
2	semiconductor	r sensors comprise electronic circuitry arranged on an underside of the focal
3	plane plate.	•
1	20.	A method for adjusting housed light-sensitive semiconductor sensors on a focal
2	plane plate con	mprising the steps of:

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3	measuring a position of a surface of the light-sensitive semiconductor sensors
4	with respect to an underside of the housings;
5	forming a surface of adjustment elements such that the surface is
6	complementarily shaped with respect to housing forms of the light-sensitive semiconductor
7	sensors; and
8	connecting the light-sensitive semiconductor sensors to the formed adjustment
9	elements, wherein pixels of the light-sensitive semiconductor sensors lie substantially in one
10	plane when fitted onto said adjustment elements.